

PROPERTY	TEST METHOD	FREQUENCY ⁽¹⁾	UNIT Imperial	Solmax 440ST-R3	Solmax 460ST-R3
SPECIFICATIONS					
Thickness (3)	ASTM D-5994	Every roll	mils	40.0	
Thickness (12)	ASTM D-5994	Every roll	mils		60.0
Textured side	-	-		Top	Top
OIT - standard (avg.)	ASTM D-3895	1/Batch	min	100	100
Tensile Properties (min. avg.) (2)	ASTM D-6693	Every 5 rolls			
Strength at Yield			ppi	90	125
Elongation at Yield			%	13	13
Strength at Break			ppi	90	150
Tear Resistance (min. avg.)	ASTM D-1004	Every 10 rolls	lbf	30	40
Stress Crack Resistance (SP-NCTL)	ASTM D-5397	1/Batch	hr	500	500
Oven Aging - % retained after 90 days	ASTM D-5721	Per formulation			
HP OIT (min. avg.)	ASTM D-5885		%	80	80
UV Resistance - % retained after 1600 hr	ASTM D-7238	Per formulation			
HP-OIT (min. avg.)	ASTM D-5885		%	50	50
Low Temperature Brittleness	ASTM D-746	Per formulation	°F	-106	-106
Critical Cone Height	ASTM D-5514	Per formulation	in	1.0	1.0
SUPPLY SPECIFICATIONS (Roll dimensions may vary ±1%)					
Roll Dimension - Width	-		ft	22.3	22.3
Roll Dimension - Length	-		ft	730	540
Area (Surface/Roll)	-		sf	16,279	12,042
Color (one side) (4)	-	-		Safety Green	Safety Green
Secondary Containment	ULCS668-12	Per formulation	Category	1A	A1
Application	-	-		Anti-slip	Anti-slip

NOTES

1. Testing frequency based on standard roll dimensions and one batch is approximately 180,000 lbs (or one railcar).
2. Machine Direction (MD) and Cross Machine Direction (XMD or TD) average values should be on the basis of 5 specimens each direction.
3. Minimum average for 40 mils
4. Smooth edge may not have the same consistent shade of color as the membrane itself. The colored layer may cause the carbon black content results to be higher than 3%.
12. Nominal ± 10 % for 60 mils

* All values are nominal test results, except when specified as minimum or maximum.

* The information contained herein is provided for reference purposes only and is not intended as a warranty of guarantee. Final determination of suitability for use contemplated is the sole responsibility of the user. SOLMAX assumes no liability in connection with the use of this information.